

# **OPTICAL DISC SYSTEM AND METHOD FOR CONTROLLING MOVEMENT OF AN OPTICAL PICKUP TO AN INNERMOST PERIMETER OF AN OPTICAL DISC USING TRACK INFORMATION**

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## **ABSTRACT OF THE DISCLOSURE**

Optical disc systems and methods for controlling movement of an optical pickup to an innermost perimeter of an optical disc using track information are provided. For example, an optical disc system includes an optical pickup that includes a tracking actuator, a focus actuator, and an objective lens and radiates  
10 a laser beam onto the optical disc to detect light reflected from the optical disc. The optical disc system also includes a radio frequency amplifier, a sled motor, a servo driver, and a servo signal processor that includes an optical pickup movement determiner and outputs a servo control signal, the optical pickup movement determiner determining from a track-related signal whether tracks are  
15 detected on the optical disc at a current position of the optical pickup and outputting a track determination signal indicating whether the optical pickup has moved to the innermost perimeter of the optical disc, based on the determination result.